

-24-2000

PATENT APPLICATION

A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael Andrew Mang, et al.

Examiner:

Serial No:

Art Group:

Filing Date:

Docket No: 0100.0000610

Title: METHOD AND APPARATUS FOR MULTI-THREAD ACCUMULATION
BUFFERING IN A COMPUTATION ENGINE

04/21/00
jc803 U.S. PTO

jc660 U.S. PTO
09/556473
04/21/00

To the Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL559560661US

Name of Depositor: Paul M. Anderson

Date of Deposit: 4-21-2000

(print or type)
Signature: *Paul M. Anderson*

I hereby certify that this paper and the items identified below are being deposited with the U.S. Postal Service "Express Mail Post Office to Addresses" service under 37 C.F.R. Section 1.10 on the 'Date of Deposit', indicated above, and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Items accompanying this Certificate of Express Mailing:

- ☒ Filing papers for a new patent application, such filing papers include:
- ☒ A specification and drawings for a new patent application;
 - ☒ Transmittal cover letter;
 - ☒ Assignment agreement with Recordation Form Cover Sheet;
 - ☒ Combined Declaration and Power of Attorney;
 - ☐ Statement of Small Entity Status;
 - ☐ Information Disclosure Statement;
 - ☒ Return upon receipt post card;

09556473-042100

04/21/00
jc803 U.S. PTO

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37
CFR 1.53(b))

4/24/00
Attorney Docket No. 0100.0000610

Total Pages 84

First Inventor or Application Identifier Michael Andrew
Mang, et al.

Title **METHOD AND APPARATUS FOR MULTI-THREAD
ACCUMULATION BUFFERING IN A COMPUTATION ENGINE**
Express Mail Label No. EL559560661US

jc660 U.S. PTO
09/556473
04/21/00

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application
contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification *Total Pages 62*
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawings (35 USC 113) *Total Sheets 15*
4. Oath or Declaration *Total Pages 2*
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application
(37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).

5. ☐ Microfiche Computer Program (Appendix)
6. ☐ Nucleotide and/or Amino Acid Sequence
Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure ☐ Copies of
Statement (IDS)/PTO-1449 IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☐ Small Entity ☐ Statement filed in Prior
Statement(s) Application, Status still proper
and desired.
14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. ☐ Other

16. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:
Prior Application Information: Examiner Group / Art Unit:

17. CORRESPONDENCE ADDRESS

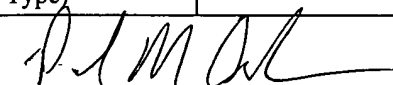
☐ Customer Number or Bar Code Label

or, ☒ Correspondence Address Below

Markison & Reckamp, P.C.
115 Wild Basin Road, Suite 107
Austin, Texas 78746

Telephone: 512-347-9223

Facsimile: 512-347-9224

Name and Registration Number (Print/Type)	Paul M. Anderson, Reg. No. 39,896		
Signature		Date	4-21-2000

FEE TRANSMITTAL

Note: Effective October 1, 1997.
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 730.00

Application Number	
Filing Date	
First Named Inventor	Michael Andrew Mang, et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	0100.0000610

Complete if Known

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number	50-0441
Deposit Account Name	ATI Technologies, Inc.

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Charge the Issue Fee Set in 37 CFR 1.18 at the mailing of the Notice of Allowance

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
101	690	201	345	Utility filing fee	690.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) 690.00

2. CLAIMS

Claims	Extra	Fee from below	Fee Paid
Total 20	(-20 =) 0		.00
Indep. 3	(-3 =) 0		.00
Multiple Dep.			

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim
109	78	209	39	Reissue independent claims over original patent
110	18	210	9	Reissue claims in excess of 20 and over original patent

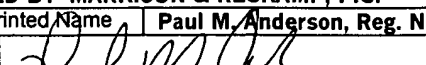
SUBTOTAL (2) (\$) .00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second month	
117	870	217	435	Extension for reply within third month	
118	1,360	218	680	Extension for reply within fourth month	
128	1,850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,210	241	605	Petition to revive - unintentional	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify)					
Other fee (specify)					

* Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00

SUBMITTED BY MARKISON & RECKAMP, P.C.				Complete (if applicable)	
Typed or Printed Name	Paul M. Anderson, Reg. No. 39,896				
Signature				Date	4-21-2000
				Deposit Account User ID	

[illegible]

FILING OF A UNITED STATES PATENT APPLICATION

METHOD AND APPARATUS FOR MULTI-THREAD ACCUMULATION BUFFERING IN A COMPUTATION ENGINE

Michael Andrew Mang	Michael Mantor

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1 (print or type)

Signature: